

B2

10. (Twice Amended) DNA encoding a fluorescent protein comprising the amino acid sequence set forth in SEQ ID No. 1 with at least the mutations of Tyr145Phe and Phe64Leu, said fluorescent protein having serine-histidine-glycine corresponding to position Nos. 65-67 of SEQ ID No: 1 obtained by mutation Tyr66His.

11. (Twice Amended) DNA encoding a fluorescent protein comprising the amino acid sequence set forth in SEQ ID No. 1 with at least the mutations of Tyr145Phe, Phe64Leu, and Leu236Arg, said fluorescent protein having serine-histidine-glycine corresponding to position Nos. 65-67 of SEQ ID No: 1 obtained by mutation Tyr66His.

B3

13. (Twice Amended) DNA encoding a fluorescent protein comprising the amino acid sequence set forth in SEQ ID No. 1 with at least the mutations of Tyr145Phe, Phe64Leu, Val163Ala, Ser175Gly and Leu236Arg, said fluorescent protein having serine-histidine-glycine corresponding to position Nos. 65-67 of SEQ ID No: 1 obtained by mutation Tyr66His.

B4

15. (Amended) DNA encoding a fluorescent protein comprising the amino acid sequence set forth in SEQ ID No. 1 with at least the mutations of Val163Ala and Ser175Gly, said fluorescent protein having serine-tyrosine-glycine at position Nos. 65-67 of SEQ ID No: 1.

16. (Amended) DNA encoding a fluorescent protein comprising the amino acid sequence set forth in SEQ ID No. 1 with at least the mutations of Tyr145Phe, Val163Ala and

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and* Ser175Gly, said fluorescent protein having serine-histidine-glycine corresponding to position

Nos. 65-67 of SEQ ID No: 1 obtained by mutation Tyr66His.